

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1 - 53. (Canceled)

Claim 54. (Allowed) A purified peptide comprising
20 Cys-Phe-X₁-X₂-X₃-X₄-X₅-X₆-X₇-Lys-Val-Arg³¹ (SEQ ID NO: 99) wherein X₁ is Gln, or Ala; X₂ is Trp or Leu; X₃ is Gln, Lys, Orn, Ala, or Nle; X₄ is Arg, Lys, Ala; X₅ is Asn, Orn, Ala, or Nle; X₆ is Met or Leu; and X₇ is Arg or Lys, and wherein the peptide is SEQ ID NO:2-5, 8, 31-37, 47, 49, 51, 63, 65, 67, 70, 72-74, 80-83 or 87-97.

Claim 55. (Allowed) The purified peptide of claim 54, wherein the peptide is SEQ ID NO: 70, 72, 73, 74, 80-83, 87-91, 93-95 or 97.

Claims 56 - 65. (Canceled)

Claim 66. (Allowed) A purified peptide comprising
20 Cys-Phe-X₁-X₂-X₃-X₄-X₅ X₆-X₇-Lys-Val-Arg³¹ (SEQ ID NO: 99) wherein X₁ is Gln, or Ala; X₂ is Trp or Leu; X₃ is Gln, Lys, Orn, Ala, or Nle; X₄ is Arg, Lys, Ala; X₅ is Asn, Orn, Ala, or Nle; X₆ is Met or Leu; and X₇ is Arg or Lys, wherein the peptide is SEQ ID NO:2-5, 8, 31-37, 47, 49, 51, 63, 65, 67, 70, 72-74, 80-83 or 87-89, and wherein the cysteine is replaced by an acetamidomethyl-cysteine.

Claim 67. (Canceled)

Claim 68. (Allowed) The purified peptide of claim 55, wherein the peptide is SEQ ID NO: 70 or 74.

Claim 69. (Allowed) The purified peptide of claim 55, wherein the peptide is SEQ ID NO: 81 or 83.

Claim 70. (Allowed) The purified peptide of claim 55, wherein the peptide is SEQ ID NO: 87 or 89.

Claim 71. (Allowed) The purified peptide of claim 55, wherein the peptide is SEQ ID NO: 91.

Claim 72. (Canceled)

Claim 73. (Allowed) The purified peptide of claim 54, wherein the peptide is SEQ ID NO: 47 or 92.

Claim 74. (Canceled)

Claim 75. (Allowed) A medicinal product comprising a peptide of claim 54.

Claim 76. (Allowed) A medicinal product comprising a peptide of claim 55.

Claims 77 - 80 (Canceled)

Claim 81. (Allowed) The medicinal product of claim 75 formulated for parenteral administration.

Claim 82. (Allowed) The medicinal product of claim 75 formulated for oral administration.

Claim 83. (Allowed) The medicinal product of claim 75 formulated for topical administration.

Claim 84. (Allowed) The medicinal product of claim 83 formulated for administration on mucosal membranes.

Claim 85. (Allowed) A food stuff comprising a peptide of claim 54.

Claim 86. (Allowed) The food stuff of claim 85, wherein the food stuff is an infant formula food.

Claim 87. (Allowed) A method of treating infections or inflammations comprising administering to a patient in need thereof an amount of a peptide of claim 54, wherein the amount of peptide is effective to reduce infections or inflammations.

Claim 88. (Allowed) A method of treating infections or inflammations comprising administering to a patient in need thereof an amount of a peptide of claim 55, wherein the amount of peptide is effective to reduce infections or inflammations.

Claim 89. (Allowed) The method of claim 87, wherein the infection is a urinary tract infection.

Claim 90. (Allowed) The method of claim 87, wherein the inflammation or infection is colitis.

Claim 91. (Allowed) The method of claim 87, wherein the infection is a candida infection on a mucosal membrane.

Claim 92. (Allowed) The method of claim 87, wherein the peptide is administered orally.

Claim 93. (Allowed) The method of claim 87, wherein the peptide is administered parenterally.

Claim 94. (Allowed) The method of claim 87, wherein the peptide is administered topically.

Claim 95. (Allowed) The method of claim 94, wherein the peptide is administered on mucosal membranes.

Claim 96. (Allowed) The method of claim 92, wherein the peptide is administered orally in a food stuff.

Claim 97. (Allowed) The method of claim 96, wherein food stuff is an infant formula food.

Claims 98. – 99. (Canceled)

Claim 100. (Allowed) The purified peptide of claim 54, wherein the peptide is SEQ ID NO:2-5.

Claim 101. (Allowed) The purified peptide of claim 54, wherein the peptide is SEQ ID NO: 8, 31-37, 47, 49, 51, 63, 65 or 67.

Claim 102. (Allowed) A medicinal product comprising a peptide of claim 100.

Claim 103. (Allowed) A medicinal product comprising a peptide of claim 101.

Claim 104. (Canceled)

Claim 105. (Allowed) A method of treating infections or inflammations comprising administering to a patient in need thereof an amount of a peptide of claim 100, wherein the amount of peptide is effective to reduce infections or inflammations.

Claim 106. (Allowed) A method of treating infections or inflammations comprising administering to a patient in need thereof an amount of a peptide of claim 101, wherein the amount of peptide is effective to reduce infections or inflammations.

Claim 107. – 109. (Canceled)

Claim 110. (Currently Amended) A purified peptide, comprising ²⁰Cys-Phe-X₁-X₂-X₃-X₄-X₅ X₆-X₇-Lys-Val-Arg³¹ (SEQ ID NO: 99), wherein

X₁ is Gln or Ala;

X₂ is Trp or Leu;

X₃ is Gln, Lys, Orn, Ala, or Nle;

X₄ is Arg, Lys, or Ala;

X₅ is Asn, Orn, Ala, or Nle;

X₆ is Met or Leu;

X₇ is Arg or Lys;

wherein the peptide is the amino acid sequence ~~having~~

consisting of TK or EATK (SEQ ID NO:102) at the amino acid terminus of the peptide of SEQ IS NO:70, 72, 73, 74, 80-83, 87-91, 93-95, or 97.